CLAIMS

1.   A method comprising the steps of:

adding a voice noise power to an aggregate voice power such that a total of said voice noise power and said aggregate voice power is substantially equal to a voice power limit;

inserting a pre-determined amount of data noise after transmission of a data burst so as to maintain power consumed by data transmission at a desired level.

2.   The method of claim 1 further comprising the step of increasing said desired level by a pre-determined amount during said data transmission.

3.   The method of claim 1 further comprising the step of decreasing said desired level by a pre-determined amount during said data transmission.

4.   The method of claim 1 further comprising the step of increasing said voice power limit by a pre-defined amount during said data transmission.

5.   The method of claim 1 further comprising the step of decreasing said voice power limit by a pre-defined amount during said data transmission.

6.   The method of claim 2 wherein said pre-determined amount is between approximately 0% and approximately 15% of said voice power limit.

7.   The method of claim 3 wherein said pre-determined amount is between

2   approximately 0% and approximately 15% of said voice power limit.

8.   The method of claim 4 wherein said pre-defined amount is between

2   approximately 0% and approximately 15% of said voice power limit.

9.   The method of claim 5 wherein said pre-defined amount is between

2   approximately 0% and approximately 15% of said voice power limit.

10.   The method of claim 1 wherein said step of adding said voice noise

2   power comprises a step of transmitting an orthogonally coded voice noise.

11.   The method of claim 1 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of transmitting an orthogonally

coded data noise.

12.   The method of claim 1 wherein said step of adding said voice noise

2   power comprises a step of transmitting a PN coded voice noise.

13.   The method of claim 1 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of

transmitting a PN coded data noise.

14.   A method comprising the steps of:

2   adding a voice noise power to an aggregate voice power such that a total of

said voice noise power and said aggregate voice power is substantially equal to a

4   voice power limit;

inserting a first amount of data noise after transmission of a data burst so as to

6   maintain a total data transmission power at a first level;

inserting a second amount of data noise following said first amount of data

8   noise so as to reduce a total data transmission power to a second level, wherein said

second level is less than said first level by a pre-determined amount.

15.   The method of claim 14 wherein said pre-determined amount is between

2   approximately 0% and approximately 15% of said voice power limit.

16.   The method of claim 14 further comprising the step of decreasing said

2   voice power limit by a pre-defined amount.

17.   The method of claim 16 wherein said pre-defined amount is between

2   approximately 0% and approximately 15% of said voice power limit.

18.   The method of claim 14 wherein said step of adding said voice noise

2   power comprises a step of transmitting an orthogonally coded voice noise.

19.   The method of claim 14 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of transmitting an orthogonally

coded data noise.

20.   The method of claim 14 wherein said step of adding said voice noise

2   power comprises a step of transmitting a PN coded voice noise.

21. The method of claim 14 wherein said step of inserting said pre-

2 determined amount of said data noise comprises a step of transmitting a PN coded

data noise.

22. A method comprising the steps of:

2 adding a voice noise power to an aggregate voice power such that a total of

said voice noise power and said aggregate voice power is substantially equal to a

4 voice power limit;

inserting a pre-determined amount of data noise after transmission of a data

6 burst so as to maintain power consumed by data transmission at a desired level;

adjusting said voice power limit by a pre-defined amount during said data

8 transmission.

23. The method of claim 22 wherein said adjusting step comprises a step of

2 increasing said desired level by a pre-determined amount during said data

transmission.

24. The method of claim 22 wherein said adjusting step comprises a step of

2 decreasing said desired level by a pre-determined amount during said data

transmission.

25. The method of claim 23 wherein said pre-determined amount is between

2 approximately 0% and approximately 15% of said voice power limit.

26.   The method of claim 24 wherein said pre-determined amount is between

2   approximately 0% and approximately 15% of said voice power limit.

27.   The method of claim 22 wherein said step of adding said voice noise

2   power comprises a step of transmitting an orthogonally coded voice noise.

28.   The method of claim 22 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of transmitting an orthogonally

coded data noise.

29.   The method of claim 22 wherein said step of adding said voice noise

2   power comprises a step of transmitting a PN coded voice noise.

30.   The method of claim 22 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of transmitting a PN coded

data noise.

31.   A method comprising the steps of:

2   adding a voice noise power to an aggregate voice power such that a total of

said voice noise power and said aggregate voice power is substantially equal to a

4   voice power limit;

inserting a first amount of data noise after transmission of a data burst so as to

6   maintain a total data transmission power at a first level;

adjusting said voice power limit by a first pre-determined amount during said

8   data transmission;

inserting a second amount of data noise following said first amount of data

10   noise so as to reduce a total data transmission power to a second level, wherein said

second level is less than said first level by a second pre-determined amount.

32.   The method of claim 31 wherein said first pre-determined amount is

2   between approximately 0% and approximately 15% of said voice power limit.

33.   The method of claim 31 wherein said second pre-determined amount is

2   between approximately 0% and approximately 15% of said voice power limit.

34.   The method of claim 31 wherein said step of adding said voice noise

2   power comprises a step of transmitting an orthogonally coded voice noise.

35.   The method of claim 31 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of transmitting an orthogonally

coded data noise.

36.   The method of claim 31 wherein said step of adding said voice noise

2   power comprises a step of transmitting a PN coded voice noise.

37.   The method of claim 31 wherein said step of inserting said pre-

2   determined amount of said data noise comprises a step of transmitting a PN coded

data noise.

38.   A method comprising the steps of:

2   adjusting a voice power limit by a first pre-determined amount in response to a

change in usage;

4   adding a voice noise power to an aggregate voice power such that a total of

said voice noise power and said aggregate voice power is substantially equal to said

6   voice power limit;

inserting a first amount of data noise after transmission of a data burst so as to

8   maintain a total data transmission power at a first level;

inserting a second amount of data noise following said first amount of data

10   noise subject to a condition relating an amount of data transmitted in said data burst to

said first amount of data noise so as to adjust said total data transmission power to a

12   second level, wherein said second level differs from said first level by a second pre-

determined amount.

39.   The method of claim 38 wherein said adjusting said voice power limit

2   comprises increasing said voice power limit by said first pre-determined amount when

said usage increases.

40.   The method of claim 38 wherein said adjusting said voice power limit

2   comprises decreasing said voice power limit by said first pre-determined amount

when said usage decreases.

41.   The method of claim 38 wherein said condition relating an amount of

2   data transmitted in said data burst to said first amount of data noise is that said amount

of data transmitted in said data burst comprises at least 95% of said total data

4   transmission power, and wherein said adjusting comprises increasing said total data

transmission power by said second pre-determined amount to said second level.

42.   The method of claim 38 wherein said condition relating an amount of

2   data transmitted in said data burst to said first amount of data noise is that said amount

of data transmitted in said data burst comprises no more than 50% of said total data

4   transmission power, and wherein said adjusting comprises decreasing said total data

transmission power by said second pre-determined amount to said second level.

43.   The method of claim 38 wherein said first pre-determined amount is

2   between approximately 0% and approximately 15% of said voice power limit.

44.   The method of claim 38 wherein said second pre-determined amount is

2   between approximately 0% and approximately 15% of said voice power limit.